

AMENDMENTS TO THE CLAIMS

The following is a complete, marked-up listing of revised claims with a status identifier in parenthesis, underlined text indicating insertions, and strike through and/or double-bracketed text indicating deletions.

Listing of Claims

1. (Currently Amended) A computer readable medium storing an executable data structure for managing multiple component data recorded on the computer readable medium, comprising:

a data area having ~~at least one~~ a first clip file ~~of main component data~~ including data packets of a first data stream and ~~at least one~~ a second clip file ~~of auxiliary component data~~ including data packets of a second data stream, the first clip file ~~of main component data~~ and the second clip file ~~of auxiliary component data~~ being separate clip files, each of the clip files having at least one entry point, each of the clip files being associated with a different reproduction path, each of the clip files being divided into a plurality of data units with boundaries between the data units indicating where jumping to a different clip file is permitted; and

a management area separate from the data area, the management area storing an entry point map identifying the at least one entry point of an associated clip file and mapping presentation start time information to ~~address information~~ a data packet number for the associated clip file.

2. (Currently Amended) The computer readable medium of claim 1, wherein the ~~auxiliary component data~~ second data stream includes audio data.

3. (Currently Amended) The computer readable medium of claim 1, wherein the ~~auxiliary component data~~ second data stream includes subtitle data.

4. (Currently Amended) The computer readable medium of claim 1, wherein the ~~auxiliary component data~~ second data stream includes enhanced data.

5. (Currently Amended) The computer readable medium of claim 1, wherein the ~~auxiliary component data~~ second data stream includes Java data.

6. (Currently Amended) The computer readable medium of claim 1, wherein the ~~auxiliary component data~~ second data stream includes html data.

7. (Currently Amended) The computer readable medium of claim 1, wherein the ~~auxiliary component data~~ second data stream includes xml data.

8. (Currently Amended) The computer readable medium of claim 1, wherein the ~~auxiliary component data~~ second data stream includes CGI data.

9. (Cancelled)

10. (Currently Amended) The computer readable medium of claim [[9]] 1, wherein each data unit includes the at least one entry point.

11. (Previously Presented) The computer readable medium of claim 10, wherein each data unit in a clip file has a same number of entry points.

12. (Previously Presented) The computer readable medium of claim 10, wherein at least two data units in a same clip file have different numbers of entry points.

13. (Previously Presented) The computer readable medium of claim 1, wherein the entry point map includes at least one flag associated with the at least one entry point, the at least one flag identifying whether jumping to another clip file is permitted in relation to the at least one entry point.

14. (Previously Presented) The computer readable medium of claim 13, wherein the at least one entry point defines the data units in the associated clip file.

15. (Previously Presented) The computer readable medium of claim 13, wherein an active flag indicates that jumping is permitted after reproducing the at least one entry point having the active flag.

16. (Previously Presented) The computer readable medium of claim 13, wherein an active flag indicates that jumping is permitted at the at least one entry point having the active flag.

17. (Currently Amended) The computer readable medium of claim 1, wherein the data area has more than one clip file of ~~auxiliary component data~~ the second data stream.

18. (Currently Amended) The computer readable medium of claim 17, wherein at least one of the clip files of ~~auxiliary component data~~ the second data stream includes enhanced data.

19-22. (Cancelled)

23. (Currently Amended) A method of recording a data structure for managing reproduction of multiple component data on a computer readable medium, the method comprising:

recording ~~at least one~~ a first clip file of ~~main component data~~ including data packets of a first data stream and ~~at least one~~ a second clip file of

~~auxiliary component data~~ including data packets of a second data stream on a data area separate from a management area, the first clip file of ~~main component data~~ and the second clip file of ~~auxiliary component data~~ being separate clip files, each of the clip files having at least one entry point, each of the clip files being associated with a different reproduction path, each of the clip files being divided into a plurality of data units with boundaries between the data units indicating where jumping to a different clip file is permitted; and

recording an entry point map in the management area, the entry point map identifying the at least one entry point of an associated clip file and mapping presentation start time information to ~~address information~~ a data packet number for the associated clip file.

24. (Currently Amended) A method of reproducing a data structure for managing reproduction of multiple component data recorded on a computer readable medium, the method comprising:

reproducing recording ~~at least one~~ a first clip file of ~~main component data~~ including data packets of a first data stream and ~~at least one~~ a second clip file of ~~auxiliary component data~~ including data packets of a second data stream from a data area separate from a management area, the first clip file of ~~main component data~~ and the second clip file of ~~auxiliary component data~~ being separate clip files, each of the clip files having at least one entry point, each of the clip files being associated with a different reproduction path, each of the

clip files being divided into a plurality of data units with boundaries between the data units indicating where jumping to a different clip file is permitted; and

reproducing an entry point map from the management area, the entry point map identifying the at least one entry point of an associated clip file and mapping presentation start time information to ~~address information~~ a data packet number for the associated clip file.

25. (Currently Amended) An apparatus for recording a data structure for managing reproduction of multiple component data on a computer readable medium, comprising:

an optical recording device configured to record data on the computer readable medium;

a controller operably coupled to the optical recording device, the controller configured to control the optical recording device to record ~~at least one~~ a first clip file of main component data including data packets of a first data stream and ~~at least one~~ a second clip file of auxiliary component data including data packets of a second data stream on a data area separate from a management area, the first clip file of main component data and the second clip file of auxiliary component data being separate clip files, each of the clip files having at least one entry point, each of the clip files being associated with a different reproduction path, each of the clip files being divided into a plurality of data units with boundaries between the data units indicating where jumping to a different clip file is permitted, and the controller further configured to

control the optical recording device to record an entry point map on the management area, the entry point map identifying the at least one entry point of an associated clip file and mapping presentation start time information to ~~address information~~ a data packet number for the associated clip file.

26. (Currently Amended) An apparatus for reproducing a data structure for managing reproduction of multiple component data recorded on a computer readable medium, comprising:

an optical reproducing device configured to reproduce data recorded on the computer readable medium;

a controller, operably coupled to the optical reproducing device, configured to control the optical reproducing device to reproduce ~~at least one a~~ a first clip file of main component data including data packets of a first data stream and at least one a second clip file of auxiliary component data including data packets of a second data stream from a data area separate from a management area, the first clip file of main component data and the second clip file of auxiliary component data being separate clip files, each of the clip files having at least one entry point, each of the clip files being associated with a different reproduction path, each of the clip files being divided into a plurality of data units with boundaries between the data units indicating where jumping to a different clip file is permitted, and the controller further configured to control the optical reproducing device to reproduce an entry point map in the management area, the entry point map identifying the at least one entry point

of an associated clip file and mapping presentation start time information to ~~address information~~ a data packet number for the associated clip file.

27. (Currently Amended) The computer readable medium of claim 1, wherein the first clip file ~~of main component data~~ and the second clip file ~~of auxiliary component data~~ are non-interleaved.

28. (Previously Presented) The method of claim 23, wherein the entry point map includes at least one flag associated with the at least one entry point, the at least one flag identifying whether jumping to another clip file is permitted in relation to the entry point.

29. (Previously Presented) The method of claim 28, wherein an active flag indicates that jumping is permitted at the at least one entry point having the associated active flag.

30. (Cancelled)

31. (Previously Presented) The method of claim 28, wherein the at least one entry point associated with the at least one flag defines the data units in the associated clip file.

32. (Previously Presented) The method of claim 28, wherein an active flag indicates that jumping is permitted to the at least one entry point having the associated active flag.

33. (Currently Amended) The method of claim 23, wherein the first clip file of ~~main component data~~ and the second clip file of ~~auxiliary component data~~ are non-interleaved.

34. (Previously Presented) The method of claim 24, wherein the entry point map includes at least one flag associated with the entry point, the at least one flag identifying whether jumping to another clip file is permitted in relation to the entry point.

35. (Previously Presented) The method of claim 34, wherein an active flag indicates that jumping is permitted at the entry point having the associated active flag.

36. (Cancelled)

37. (Previously Presented) The method of claim 34, wherein the entry point having the at least one flag defines the data units in the associated clip file.

38. (Currently Amended) The method of claim 24, wherein the first clip file of ~~main component data~~ and the second clip file of ~~auxiliary component data~~ are non-interleaved.

39. (Previously Presented) The apparatus of claim 25, wherein the entry point map includes entry point information, the entry point information identifying whether jumping to another clip file is permitted in relation to the at least one entry point, and the controller is configured to control the optical recording device to record the entry point map.

40. (Cancelled)

41. (Previously Presented) The apparatus of claim 25, wherein the controller is configured to control the optical recording device to record at least one entry point having an associated flag permitting a jump, the at least one entry point defining the data units in the associated clip file.

42. (Currently Amended) The apparatus of claim 25, wherein the first clip file of ~~main component data~~ and the second clip file of ~~auxiliary component data~~ are non-interleaved on the computer readable medium.

43. (Previously Presented) The apparatus of claim 26, wherein the entry point map includes entry point information, the entry point information

identifying whether jumping to another clip file is permitted in relation to the at least one entry point, and the controller is configured to control the optical reproducing device to reproduce the entry point map.

44. (Cancelled)

45. (Previously Presented) The apparatus of claim 26, wherein the controller is configured to control the optical reproducing device to reproduce at least one entry point having an associated flag permitting a jump, the at least one entry point defining the data units in the associated clip file.

46. (Currently Amended) The apparatus of claim 26, wherein the first clip file of ~~main component data~~ and the second clip file of ~~auxiliary component data~~ are non-interleaved on the computer readable medium.

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END OF CLAIM LISTING